RAW SEQUENCE LISTING PATENT APPLICATION US/08/756,018

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This Raw Listing contains the General Information Section and up to the first 5 pages.

.1		SEQUENCE LISTING	ENTERED
2 3	(1) General Information	1:	
4 5	(i) APPLICANT: Seed,		
6 7 8	(ii) TITLE OF INVENTION AND METHODS	ON: P-SELECTIN LIGANDS AND	RELATED MOLECULES
9 10	(iii) NUMBER OF SEQUEN	CES: 16	
11 12 13 14 15 16 17 18	(B) STREET: 585 (C) CITY: Bosto (D) STATE: MA (E) COUNTRY: US (F) ZIP: 02109-	Clark & Elbing LLP Commercial Street n A 1024	
20 21 22 23 24 25	(C) OPERATING S (D) SOFTWARE: P	: Floppy disk BM PC compatible SYSTEM: PC-DOS/MS-DOS PatentIn Release #1.0, Versi	ion #1.30
26 27 28 29 30	(B) FILING DATE (C) CLASSIFICAT	N NUMBER: 08/756,018 E: 25-NOV-96 FION:	
31 32 33 34	(B) FILING DATE	N NUMBER: US 08/661,960 E: 12-JUN-1996	
35 36 37 38	(B) FILING DAT	N NUMBER: US 60/000,213 E: 14-JUN-1995	
39 40 41 42 43	(B) REGISTRATI (C) REFERENCE/	ng, Karen Lech ON NUMBER: 35,238 DOCKET NUMBER: 00786/284002	
44 45 46	(ix) TELECOMMUNICATI (A) TELEPHONE: (B) TELEFAX: 6	617/723-6777	

RAW SEQUENCE LISTING PATENT APPLICATION US/08/756,018

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47		(C) TELE	X:												
48				_ ~=	. TD		1.									
49	(2)	INFORMA'	TION FO	R SE	Ω ID	NO:	1;									
50 51		(i) SE	QUENCE	CHAR	ACTE	RIST	ICS:									
52		(1) 51	A) LENG	TH:	10 a	mino	aci	.ds								
53		\sim	B) TYPE	: am	ino	acid]									
54		ì	C) STRA	NDED	NESS	: No	t Re	eleva	nt							
55		7	D) TOPO	LOGY	: li	near	•									
56		'	<i>D</i> , 101													
57		(ii) MO	LECULE	TYPE	ומ :	otei	.n									
58		(11) 110			•											
59		(xi) SE	OUENCE	DESC	RIP	CION:	SE	QI Q	NO:	1:						
60		•														
61		Ala Th	r Glu i	Ala (3ln 7	Chr 1	hr l	Pro 1	Pro .	Ala						
62		1			5					10						
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66		(i) SE	QUENCE	CHAI	RACT	ERIS	rics	:								
67		(A) LEN	GTH:	18	amin	ac.	ids								
68		(B) TYP	E: ai	mino	aci	j	_								
69		(C) STR	ANDE	DNES	S: No	ot R	етел	ant							
70		(D) TOP	OLOG.	Y: 1	inea	r									
71					_											
72		(ii) MC	DLECULE	TYP.	е: р	rote	ın									
73		(xi) SI		DEC	antn	mTAN	. cr	Λ TD	NO:	2:						
74		(X1) Si	SQUENCE	כפת	CKIP	1101	. 50	Δ -D								
75		Mot A	la Thr	Δsn	Ser	ī.eu	Glu	Thr	Ser	Thr	Gly	Thr	Ser	Gly	Pro	Pro
76 77		net A.	La IIII		5					10	_				15	
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82	(2)	INFORM.	ATION F	OR S	EQ I	D NO	:3:									
83	•							_								
84		(i) S	EQUENCE	CHA	RACT	ERIS	TICS	3:								
85			(A) LEN	IGTH:	42	amin	o ac	cids								
86			(B) TYP	E: a	mino	acı	.a		+							
87			(C) STE	RANDE	DNES	35: N	10T E	кете/	ant							
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90		(11) M	OLECULE	5 TIF	.e. F	TOCE	. 1.11									
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92		•														
93		Gln I	eu Trp	Asp	Thr	Trp	Ala	Asp	Glu	Ala	Glu	Lys	Ala	Leu	Gly	Pro
94 95	4	_	Cu IIP	P	5	P		_		10		-			15	
95 96	4				-										_	_
97	_	Leu L	eu Ala	Arq	Asp	Arg	Arg	Gln	Ala	Thr	Glu	Tyr	Glu	Tyr	Leu	Asp
98	•			20	_	_	_		25					30		
99																

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	The Classification of	
100	Tyr Asp Phe Leu Pro Glu Thr Glu Pro Pro	
101	35 40	
102	TO TO TO TO A	
103	(2) INFORMATION FOR SEQ ID NO:4:	
104	The same of the sa	
105	(i) SEQUENCE CHARACTERISTICS:	
106	(A) LENGTH: 20 amino acids	
107	(B) TYPE: amino acid	
108	(C) STRANDEDNESS: Not Relevant	
109	(D) TOPOLOGY: linear	
110		
111	(ii) MOLECULE TYPE: protein	
112	TO TO NO. A.	
113	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
114	an all mur die Mar Lou Asp Tur Asp Ph	e
115	Arg Asp Arg Arg Gln Ala Thr Glu Tyr Glu Tyr Leu Asp Tyr Asp Pho	•
116	1 5 10	
117		
118	Leu Pro Glu Thr	
119	20	
120	THE TRANSPORT	
121	(2) INFORMATION FOR SEQ ID NO:5:	
122	A TOWNSON OUR DECEMBER CONTROL	
123	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 amino acids	
124	(A) LENGTH: 20 amino acid (B) TYPE: amino acid	
125	(C) STRANDEDNESS: Not Relevant	
126	(C) STRANDEDNESS: NOT RELEVANT	
127	(b) TOPOLOGI: linear	
128	ALL MONTHS MUDE, protein	
129	(ii) MOLECULE TYPE: protein	
130	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
131	·	
132	Arg Asp Arg Arg Gln Ala Thr Glu Phe Glu Phe Leu Asp Phe Asp Ph	ıe
133	- 10	
134	1 5	
135	Leu Pro Glu Thr	
136	20	
137	20	
138	(2) INFORMATION FOR SEQ ID NO:6:	
139	(2) INFORMATION TOX DEE TO	
140	(i) SEQUENCE CHARACTERISTICS:	
141 142	(A) LENGTH: 20 amino acids	
142	(B) TYPE: amino acid	
144	(C) STRANDEDNESS: Not Relevant	
144	(D) TOPOLOGY: linear	
145	•	
147	(ii) MOLECULE TYPE: protein	
148		
149	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
150	•	h.c
151	Arg Asp Arg Arg Gln Ala Ala Glu Tyr Glu Tyr Leu Asp Tyr Asp P	116
152	1 5 10	

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153		
154	Leu Pro Glu Ala	
L 5 5	20	
156		
157	(2) INFORMATION FOR SEQ ID NO:7:	
158	(i) SEQUENCE CHARACTERISTICS:	
159	(A) LENGTH: 20 amino acids	
160	(B) TYPE: amino acid	
161	(C) STRANDEDNESS: Not Relevant	
162	(C) STRANDEDRESS: NOT RELEVANT	
163	(D) TOPOLOGY: linear	
164	and a second sec	
165	(ii) MOLECULE TYPE: protein	
166	THE TOTAL OF THE T	
167	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
168	of the planting the Asp Phe Asp Phe	
169	Arg Asp Arg Arg Gln Ala Ala Glu Phe Glu Phe Leu Asp Phe Asp Phe	
170	1 5 10	
171		
172	Leu Pro Glu Ala	
173	20	
174		
175	(2) INFORMATION FOR SEQ ID NO:8:	
176		
177	(i) SEQUENCE CHARACTERISTICS:	
178	(A) LENGTH: 2287 base pairs	
179	(B) TYPE: nucleic acid	
180	(C) STRANDEDNESS: single	
181	(D) TOPOLOGY: linear	
182		
183	(ii) MOLECULE TYPE: DNA (genomic)	
184		
185	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:	
186	THE	60
187	AAGCTTACCA CCATGGACTG GACCTGGAGG TTCCTCTTCT TTGTGGTGGC AGCAGCTACA	00
188		120
189	GGTGTCCAGT CCCAGGTGCA GCTGGTGCAG TCTGGGGCTG AGGTGAAGAA GCCTGGGTCC	120
190	THE STATE OF THE S	180
191	TCGGTGAAGG TCTCCTGCAA GGCTTCTGGA GGCACCTTCA GCAGCTATGC TATCAGCTGG	100
192	TOTAL CONTROL MATCHER COT	240
193	GTGCGACAGG CCCCTGGACA AGGGCTTGAG TGGATGGGAG GGATCATCCC TATCTTTGGT	2.0
194	THE CONTROL OF THE CO	300
195	ACAGCAAACT ACGCACAGAA GTTCCAGGGC AGAGTCACGA TTACCGCGGA CGAATCCACG	•••
196		360
197	AGCACAGCCT ACATGGAGCT GAGCAGCCTG AGATCTGAGG ACACGGCCGT GTATTACTGT	
198		420
199	GCGAGAGATA ATGGAGCGTA TTGTAGTGGT GGTAGCTGCT ACTCGGGCTG GTCCGACCCC	
200	THE STATE OF THE S	480
201	TGGGGCCAGG GAACCCTGGT CACCGTCTCT TCAGGTGAGT ACTGAAT#CT AGCTTTCTGG	-00
202	THE STATE OF THE S	540
203	GGCAGGCCAG GCCTGACCTT GGCTTTGGGG CAGGGAGGGG GCTAAGGTGA GGCAGGTGGC	5.20
204	The state of the s	600
205	GCCAGCAGGT GCACACCCAA TGCCCATGAG CCCAGACACT GGACGCTGAA CCTCGCGGAC	

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206 207	AGTTAAGAAC	CCAGGGGCCT	CTGCGCCTGG	GCCCAGCTCT	GTCCCACACC	GCGGTCACAT	660
208				GGCCCATCGG			720
209 210							780
211	TCCAAGAGCA	CCTCTGGGGG	CACAGCGGCC	CTGGGCTGCC	TGGTCAAGGA	CTACTTCCCC	700
212 213	GAACCGGTGA	CGGTGTCGTG	GAACTCAGGC	GCCCTGACCA	GCGGCGTGCA	CACCTTCCCG	840
214	COMOTOCTAC	ℷ ₢ͲሮሮͲሮ ໓ ₢₢	ACTCTACTCC	CTCAGCAGCG	TGGTGACCGT	GCCCTCCAGC	900
215 216							960
217 218				GTGAATCACA			
219	GACAAGAAAG	TTGGTGAGAG	GCCAGCACAG	GGAGGGAGGG	TGTCTGCTGG	AAGCAGGCTC	1020
220 221	AGCGCTCCTG	CCTGGACGCA	TCCCGGCTAT	GCAGCCCCAG	TCCAGGGCAG	CAAGGCAGGC	1080
222				CCGCCCCACT			1140
223 224							1000
225	TCTGGCTTTT	TCCCAGGCTC	TGGGCAGGCA	CAGGCTAGGT	GCCCCTAACC	CAGGCCCTGC	1200
226 227	ACACAAAGGG	GCAGGTGCTG	GGCTCAGACC	TGCCAAGAGC	CATATCCGGG	AGGACCCTGC	1260
228	GGGTTG A GGTTA	A C C C A C C C C	AAAGGCCAAA	CTCTCCACTC	CCTCAGCTCG	GACACCTTCT	1320
229 230							1380
231 232				TCTCTCTGCA			1300
232	AACTCACACA	TGCCCACCGT	GCCCAGGTAA	GCCAGCCCAG	GCCTCGCCCT	CCAGCTCAAG	1440
234 235	GCGGGACAGG	TGCCCTAGAG	TAGCCTGCAT	CCAGGGACAG	GCCCCAGCCG	GGTGCTGACA	1500
236				AACTCCTGGG			1560
237 238							1.600
239	TCCCCCCAAA	ACCCAAGGAC	ACCCTCATGA	TCTCCCGGAC	CCCTGAGGTC	ACATGCGTGG	1620
240 241	TGGTGGACGT	GAGCCACGAA	GACCCTGAGG	TCAAGTTCAA	CTGGTACGTG	GACGGCGTGG	1680
242	N COMOCINEN N	ጥር ርር እ አርነ እር	AAGCCGCGG	AGGAGCAGTA	CAACAGCACG	TACCGGGTGG	1740
243 244							1800
245 246						AAGTGCAAGG	
247	TCTCCAACAA	AGCCCTCCCA	GCCCCCATC	B AGAAAACCAT	CTCCAAAGCC	AAAGGTGGGA	1860
248 249	ССССТССССТ	GCGAGGGCCA	CATGGACAG	A GGCCGGCTCG	GCCCACCCTC	TGCCCTGAGA	1920
250							1980
251 252		_				GTGTACACCC	
253	TGCCCCCATC	CCGGGATGA	CTGACCAAG	A ACCAGGTCAG	CCTGACCTG	CTGGTCAAAG	2040
254 255	GCTTCTATC	CAGCGACATO	C GCCGTGGAG	r gggagagcaa	TGGGCAGCC	G GAGAACAACT	2100
256						C AGCAAGCTCA	2160
257 258	ACAAGACCAC	GUUTUUUGT	J CIGGACICO	O ACCOUNT			

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